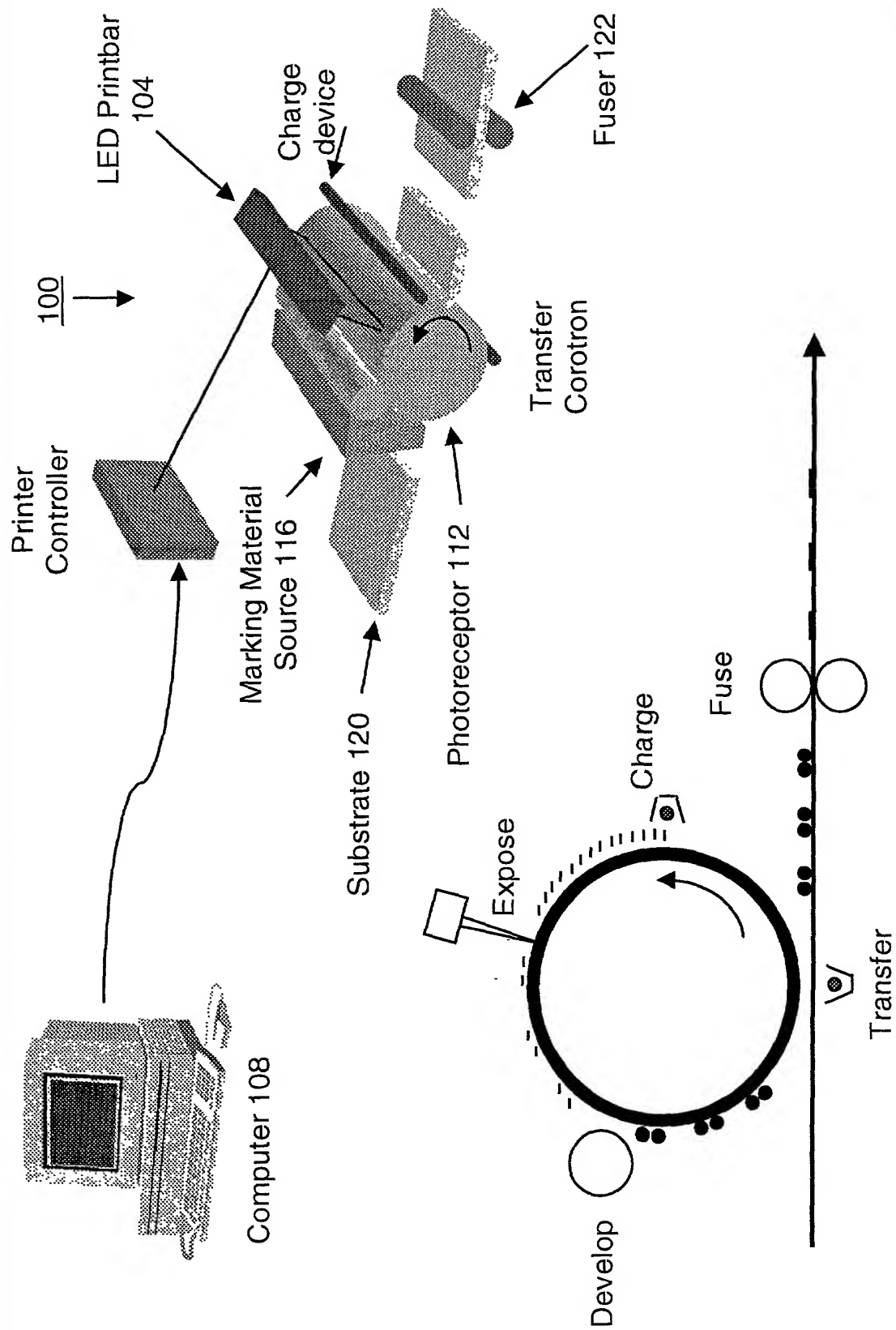


Printer with LED Printbar



LED Printbar with Illumination Detection

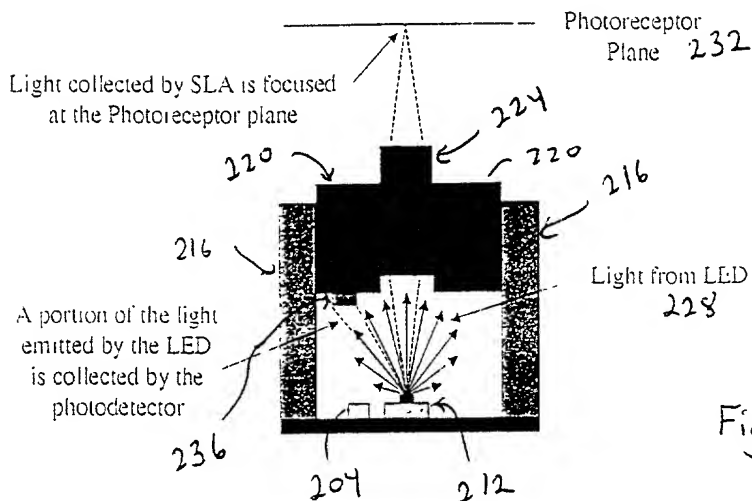
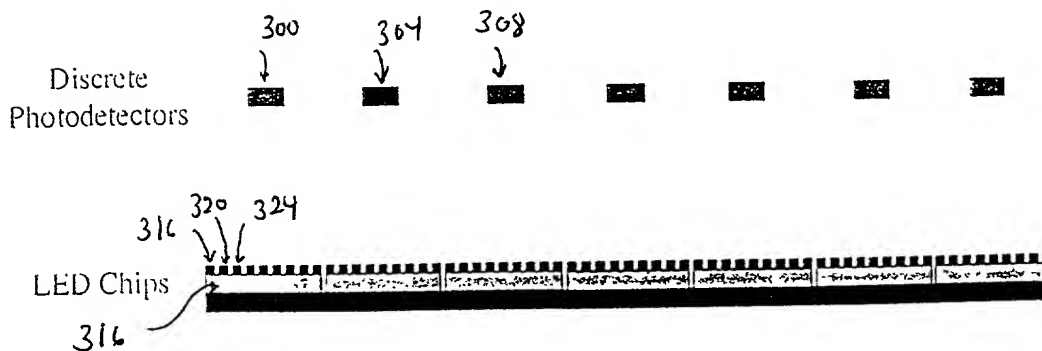


Fig. 2

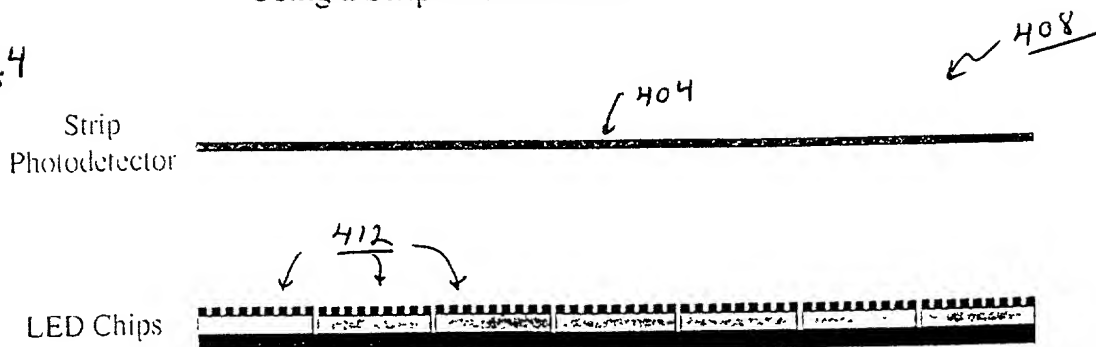
LED Printbar with Illumination Level Detection Using Discrete Photodetectors (1 per LED Chip)

Fig. 3

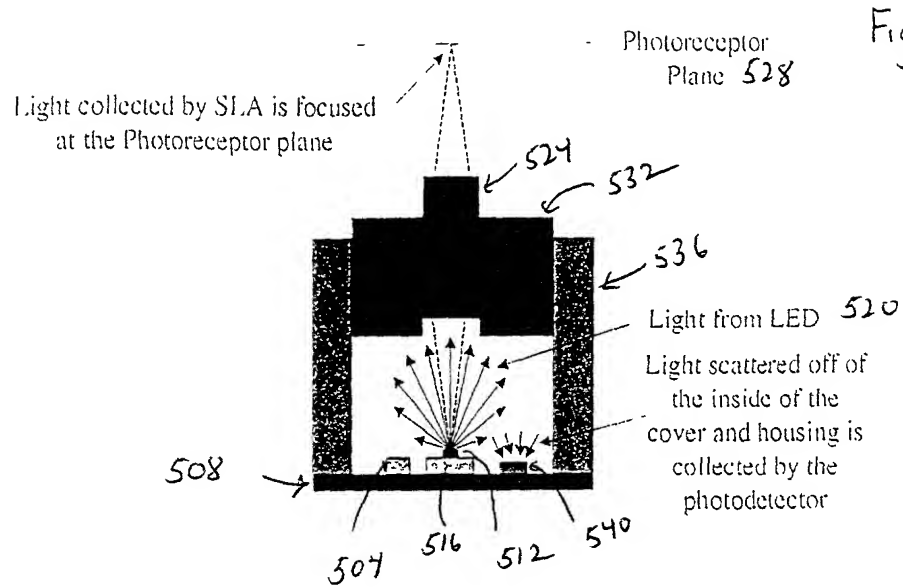


LED Printbar with Illumination Level Detection Using a Strip Photodetector

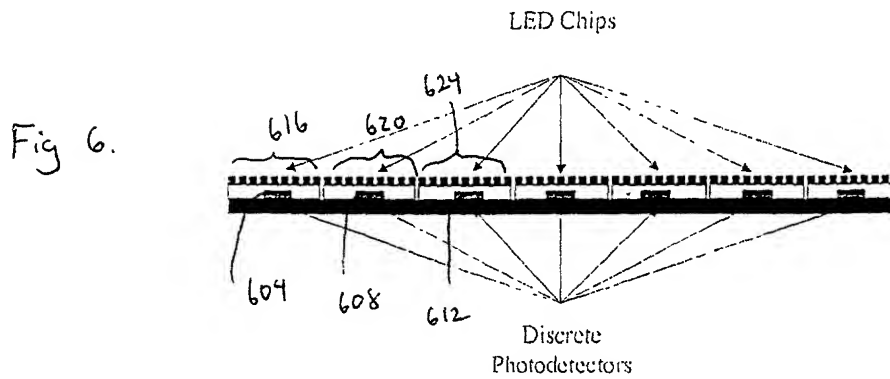
Fig. 4



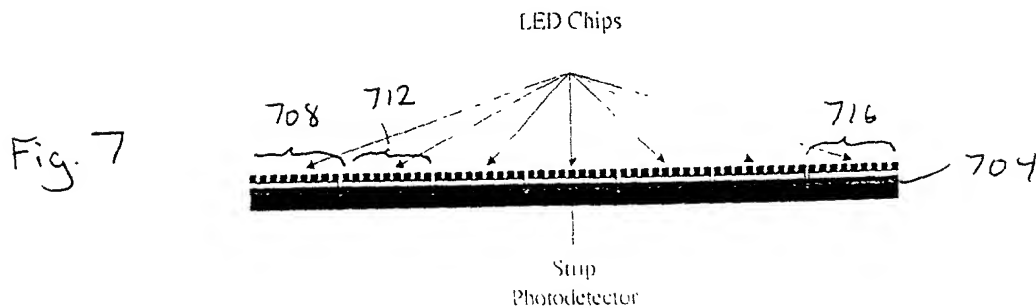
LED Printbar with Illumination Detection



LED Printbar with Illumination Level Detection Using Discrete Photodetectors (1 per LED Chip)



LED Printbar with Illumination Level Detection Using Discrete Photodetectors (1 per 2 LED Chips)



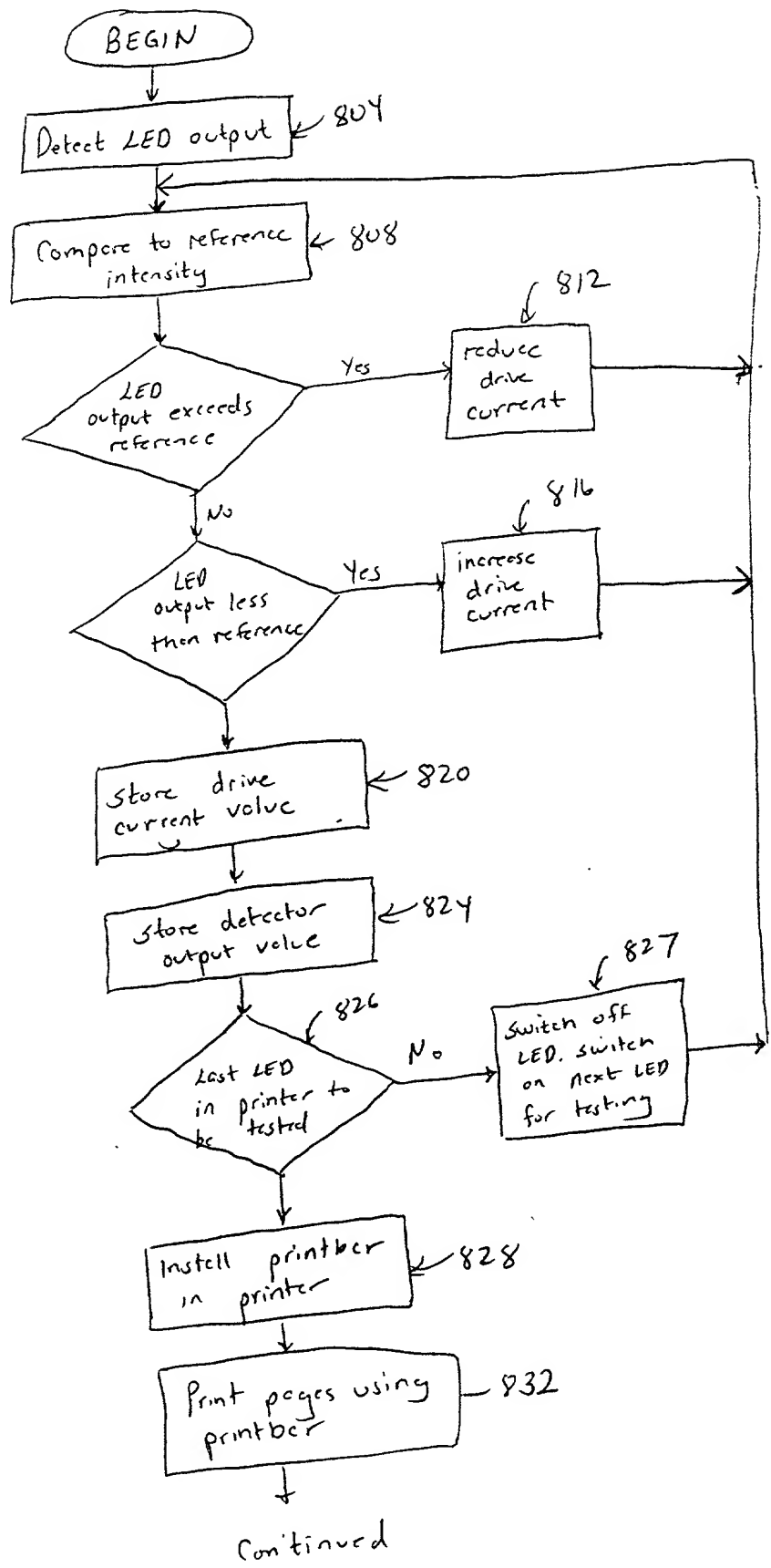


Fig 8.

Print Pages using
printer ← 832

Fig 8 (continued)

Receive signal to
recalibrate printer ← 836

Switch on LED to
be tested switch off
others ← 840

Compare detector current
with maximum detector
current ← 844

Detector
current below stored
max detector
current

Yes

Increase
drive
current ← 848

Detector
current exceed
max stored
detector current

Yes

decrease
drive
current ← 852

No

Store new calibration
current for LED ← 856

Last LED
tested

No

switch off
tested LED
switch on
next LED for
testing ← 864

Yes

END

FOOTNOTES